

Fig. 1

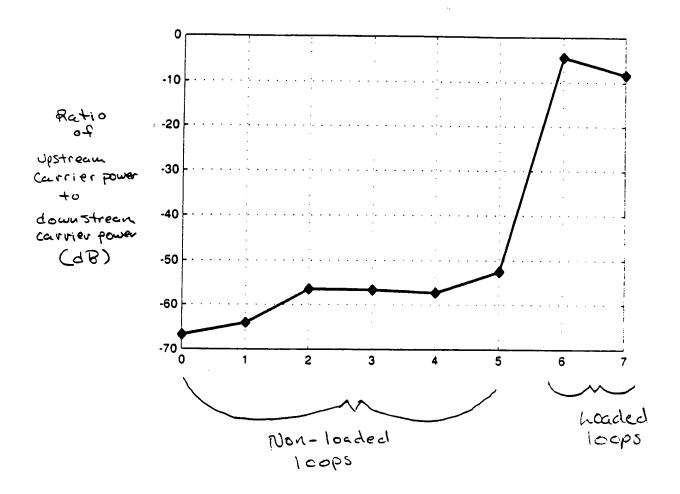
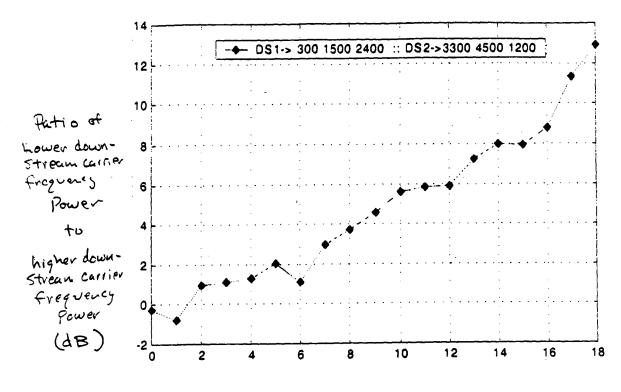


Fig. 2

Initiate DSL activation Process. Receive downstream multi-carrier tomes of the DSL activation process 1310 at an exVBM. Sample the downstream multi-carrier tones to generate a multi-tone signal having a plurality of component frequencies within the exVBM's Spectrum band. Determine ratio of the total power of a set of lower down Stream - carrier -320 frequencies to the total power of a Set of higher downstream- carrier frequencies Use ratio to determine loop leugth. | 325

Fig. 3.



Loop length (Kft.)

Fig. 4

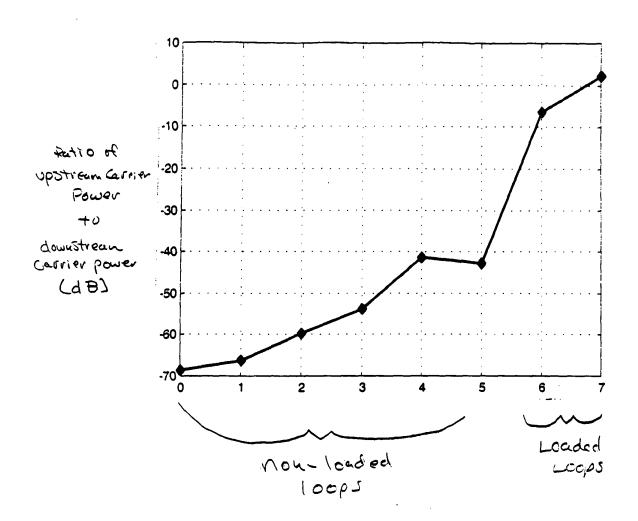


Fig. 5

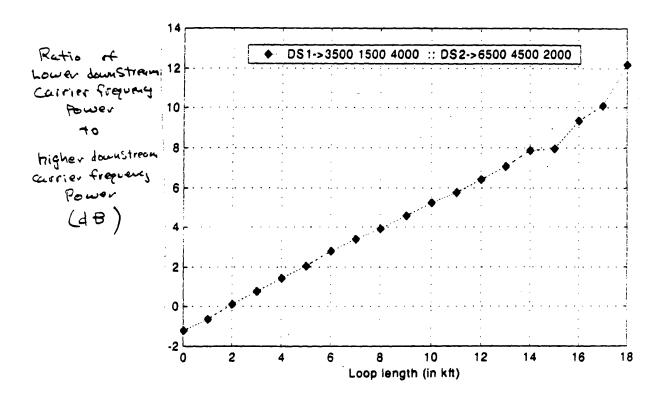


Fig. 6

